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(v) Element 11(d)	1918
(vi) Element 11(e)	1954
(vii) Element 11(f)	1972
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1. Whether or not the invention proceeded in a direction contrary to accepted wisdom in the field.	3641
2. Whether or not there was long felt but unresolved need in the art that was satisfied by the invention.	3641
3. Whether or not others had tried but failed to make the invention.	3641
4. Whether or not others copied the invention.	3641
5. Whether or not the invention achieved any unexpected results.	3642
6. Whether or not the invention was praised by others.	3642
7. Whether or not others have taken licenses to use the invention.	3643
8. Whether or not experts or those skilled in the art at the making of the invention expressed surprise or disbelief regarding the invention.	3644
9. Whether or not products incorporating the invention have achieved commercial success.	3644
10. Whether or not others having ordinary skill in the field of the invention independently made the claimed invention at about the same time the inventor made the invention.	3644
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“abstract”	3645
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